



US00D831551S

(12) **United States Design Patent** (10) **Patent No.:** **US D831,551 S**  
**Wilson et al.** (45) **Date of Patent:** **\*\* Oct. 23, 2018**

(54) **BRAKE CALIPER**(71) Applicant: **Akebono Brake Industry Co., Ltd.**, Chuo-ku, Tokyo (JP)(72) Inventors: **Kirby Lee Wilson**, Lathrup Village, MI (US); **Andreas Keller**, Dexter, MI (US)(73) Assignee: **AKEBONO BRAKE INDUSTRY CO., LTD**, Tokyo (JP)

DE	102006052177 A1	5/2008
DE	102008029582 A1	4/2009
DE	102011052169 A1	1/2013
EP	1865218 A1	12/2007
EP	1898116 A1	3/2008
EP	1911989 A1	4/2008
FR	2126588 A5	10/1972
JP	H09257063 A	9/1997
JP	2007147041 A	6/2007
JP	2009257578 A	11/2009
WO	2006109710 A1	10/2006

(\*\*) Term: **15 Years**(21) Appl. No.: **29/575,923**(22) Filed: **Aug. 30, 2016**(51) LOC (11) Cl. .... **12-08**

(52) U.S. Cl.

USPC ..... **D12/190**(58) **Field of Classification Search**USPC ..... D12/160, 180  
CPC .... B60T 13/686; B60T 13/588; B60T 8/4077;  
B60T 13/142; B60T 13/585; B60T  
13/745; F16D 65/0075

See application file for complete search history.

(56)

**References Cited**

## U.S. PATENT DOCUMENTS

5,620,063 A	4/1997	Smith	
D805,012 S *	12/2017	Crippa	D12/180
2003/0089559 A1	5/2003	Stahl et al.	
2006/0124404 A1	6/2006	Morais et al.	
2006/0219490 A1	10/2006	Eisengraber et al.	
2007/0170020 A1	7/2007	Halasy-Wimmer et al.	
2009/0071767 A1	3/2009	Bass et al.	
2009/0236187 A1	9/2009	Bach et al.	
2013/0092481 A1	4/2013	Crippa et al.	

## FOREIGN PATENT DOCUMENTS

DE 4301684 A1 8/1994  
DE 10212670 A1 12/2002

## OTHER PUBLICATIONS

Akebono Brake Industry Co., Ltd., Concept Automotive Brakes, dated Apr. 21, 2016.

\* cited by examiner

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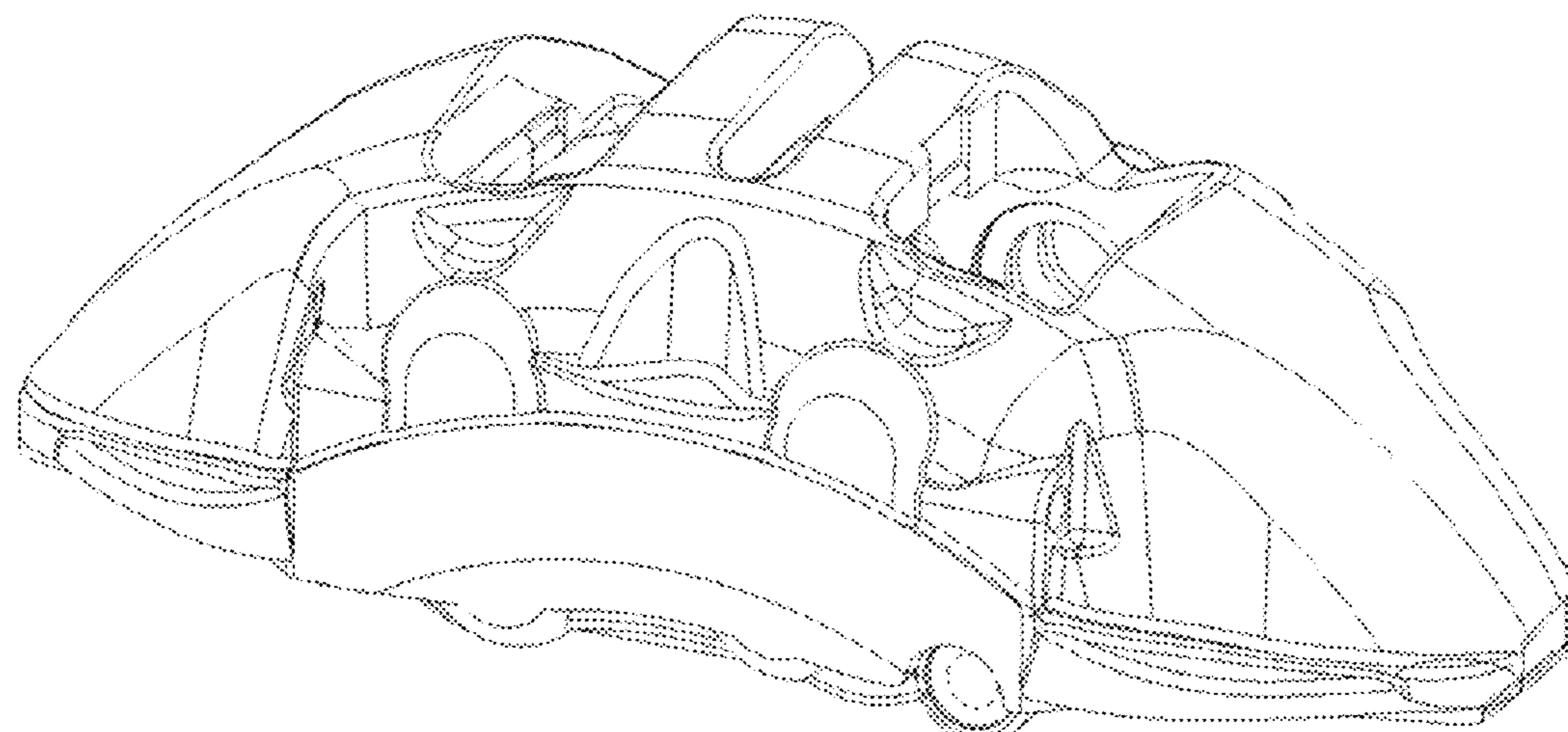
(57) **CLAIM**

The ornamental design of a brake caliper, as shown and described.

## DESCRIPTION

FIG. 1 is a front perspective view of the brake caliper; FIG. 2 is a rear perspective view of the brake caliper; FIG. 3 is a right side perspective view of the brake caliper; FIG. 4 is a left side perspective view of the brake caliper; FIG. 5 is a front view of the brake caliper; FIG. 6 is a back view the brake caliper; FIG. 7 is a top view the brake caliper; FIG. 8 is a bottom view the brake caliper; and, FIG. 9 is a cross-sectional view of the brake caliper taken along line 9-9 of FIG. 7.

In the drawings, the broken lines depict environmental subject matter only and form no part of the claimed design.

**1 Claim, 5 Drawing Sheets**

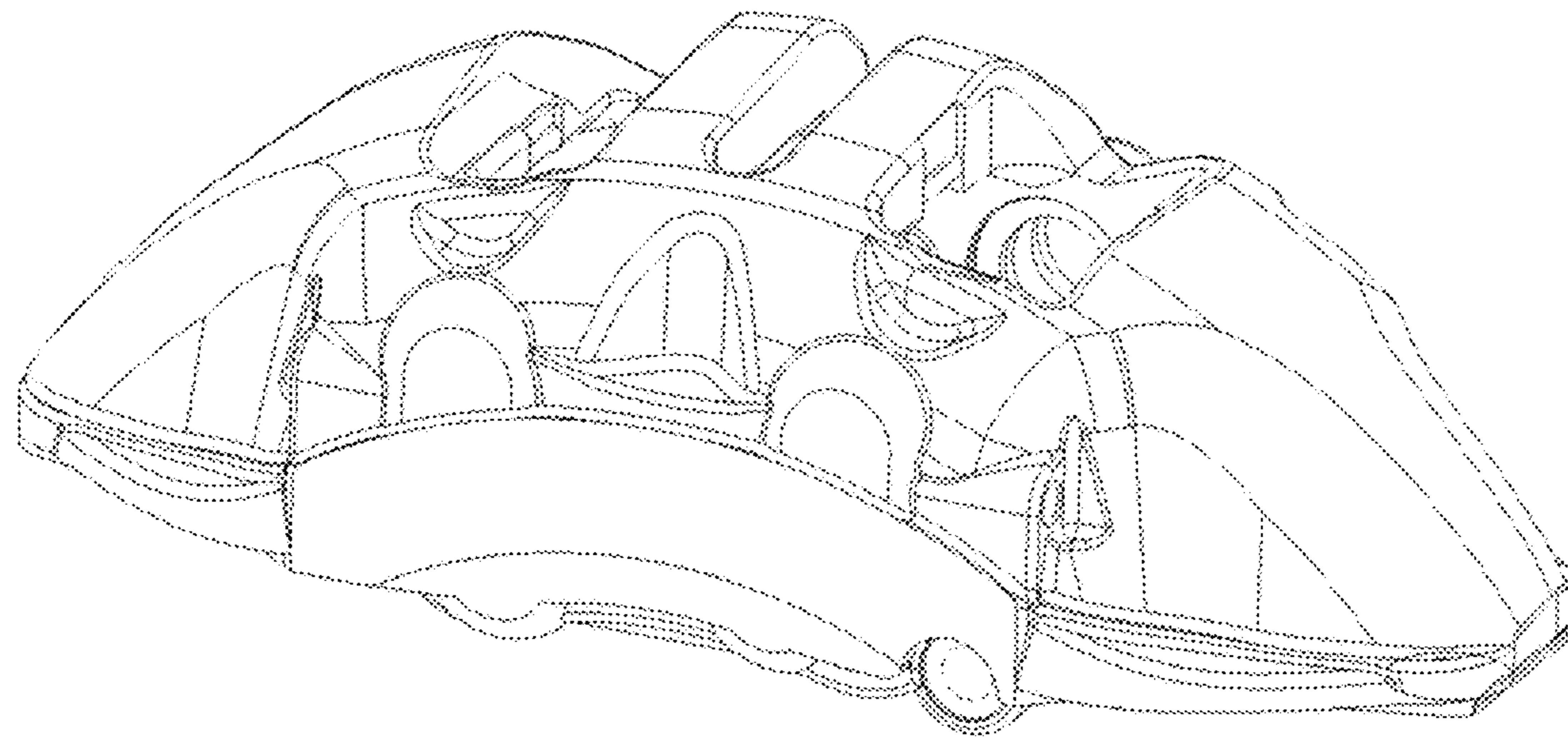


Fig. 1

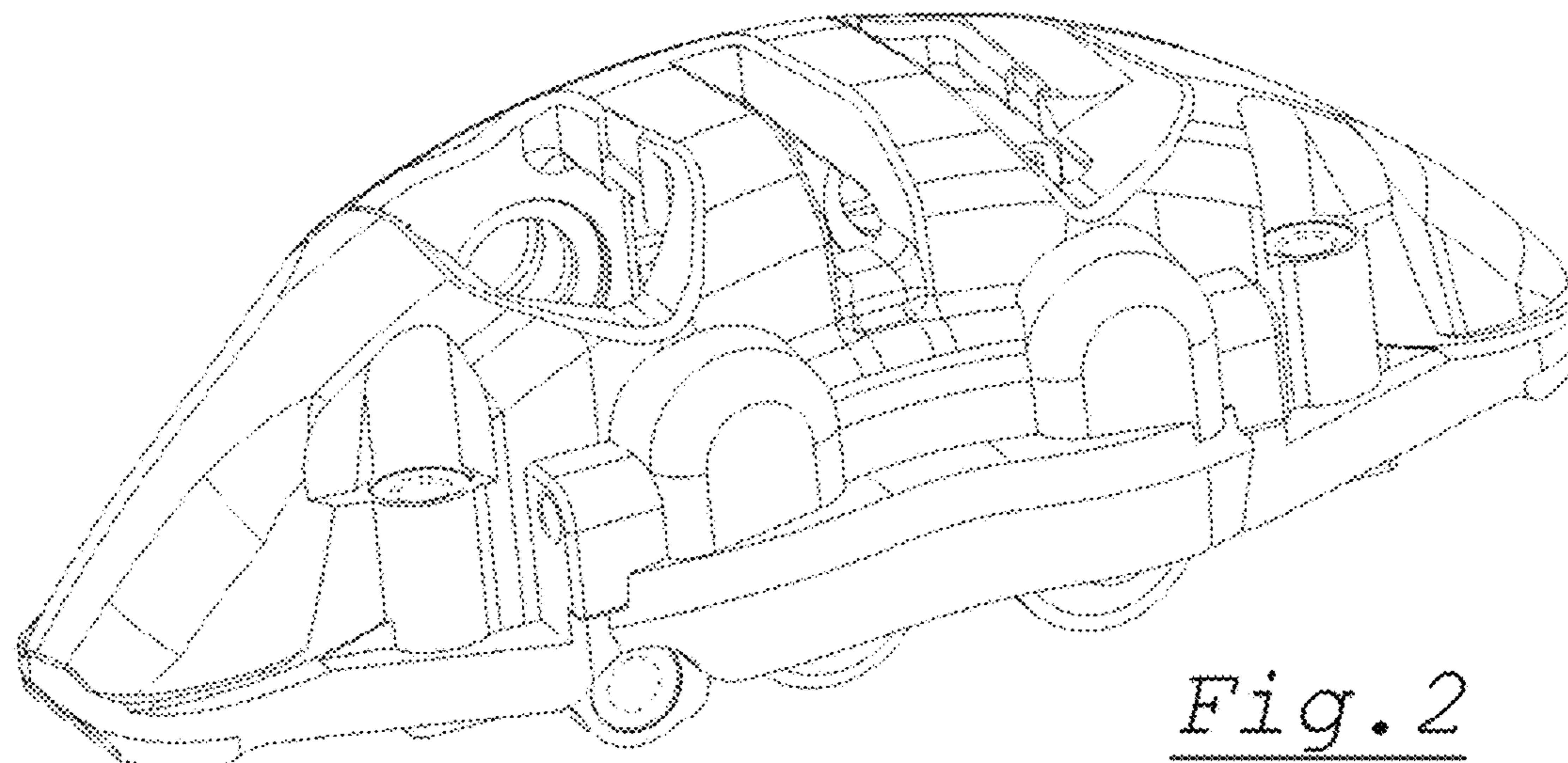


Fig. 2

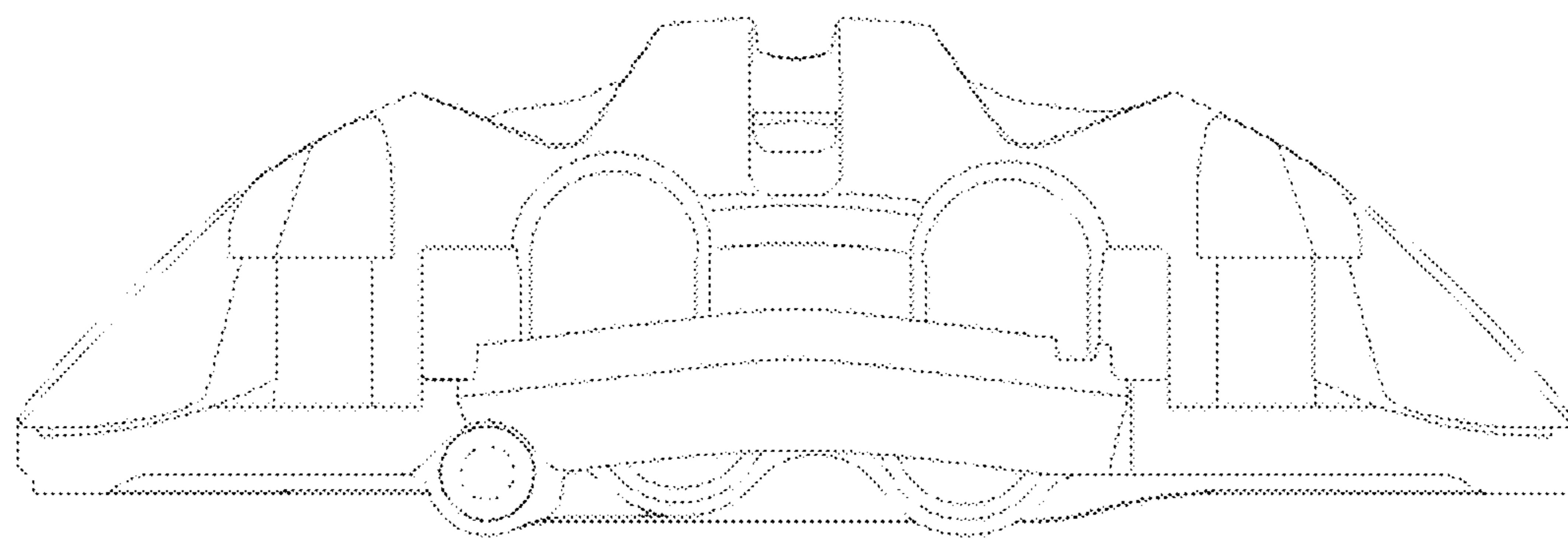


Fig. 3

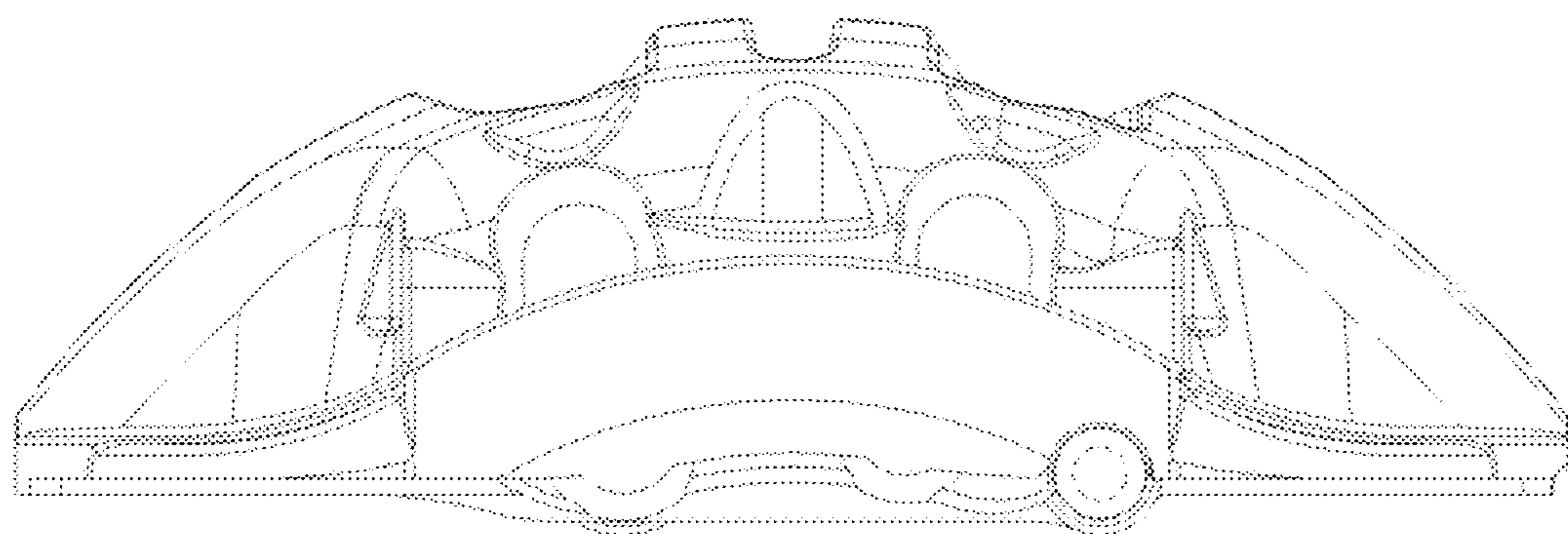


Fig. 4

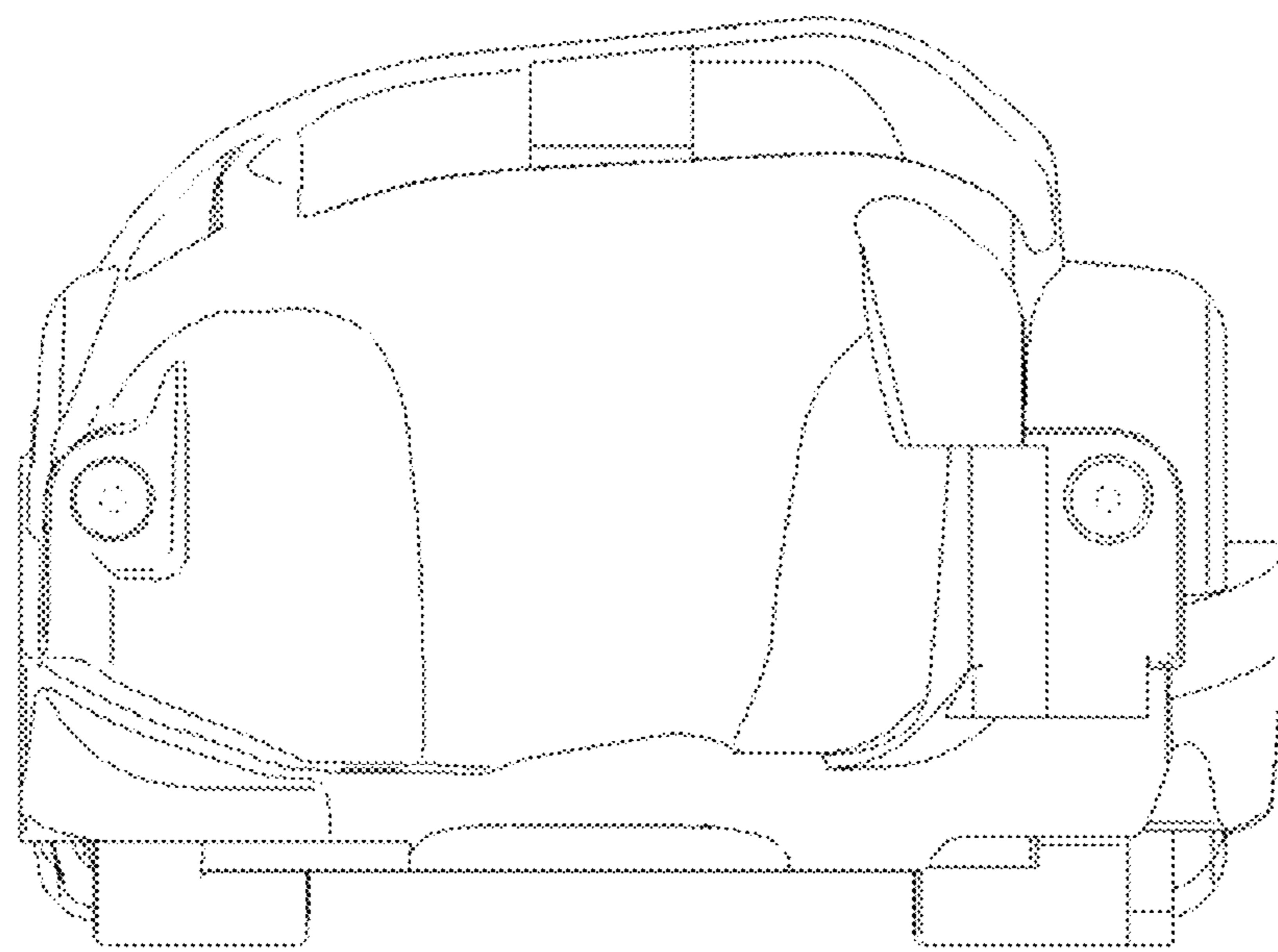


Fig. 5

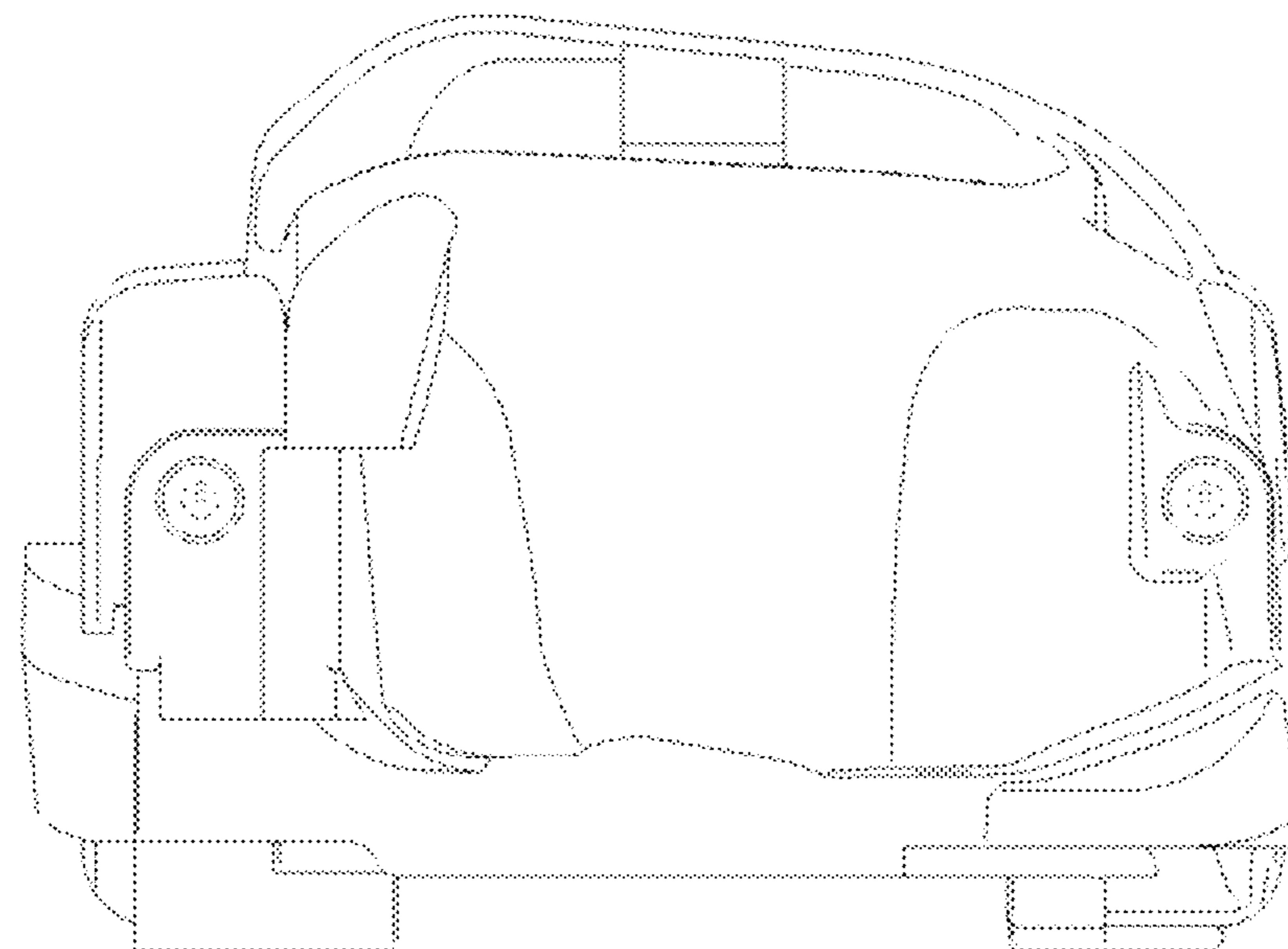


Fig. 6

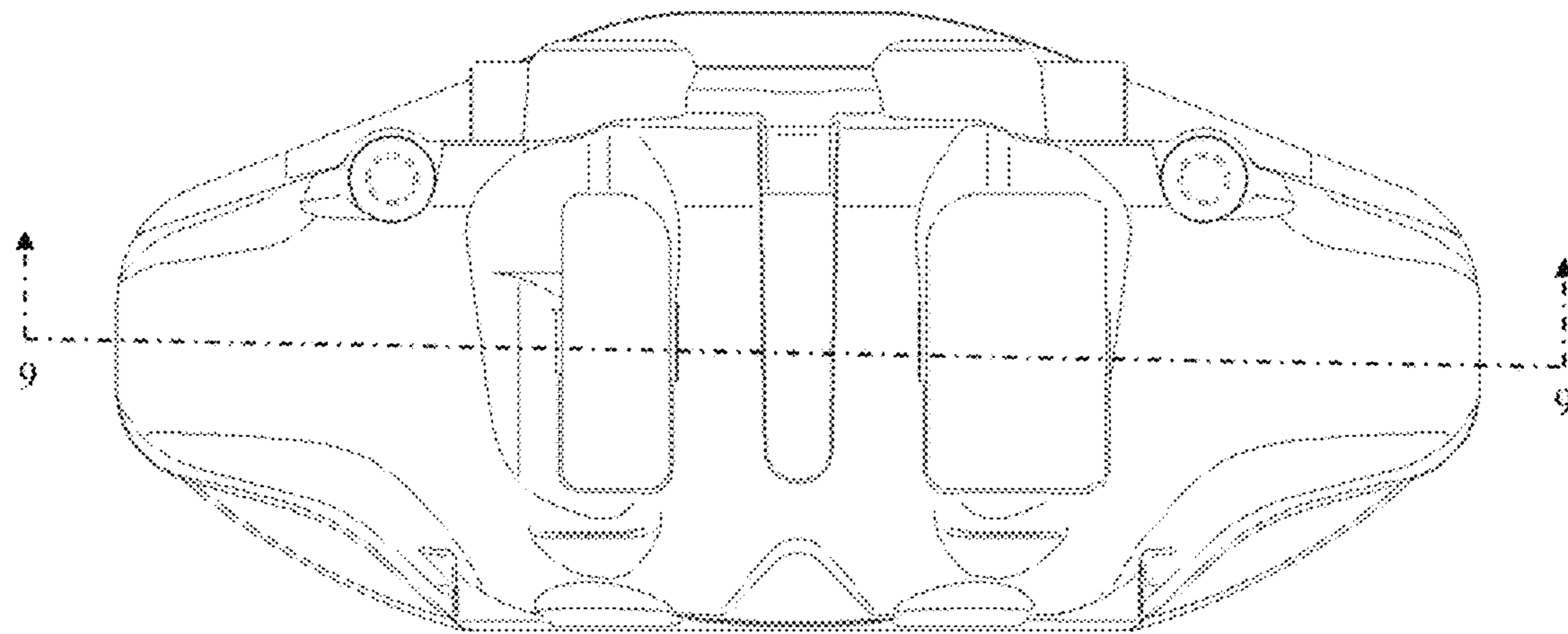


Fig. 7

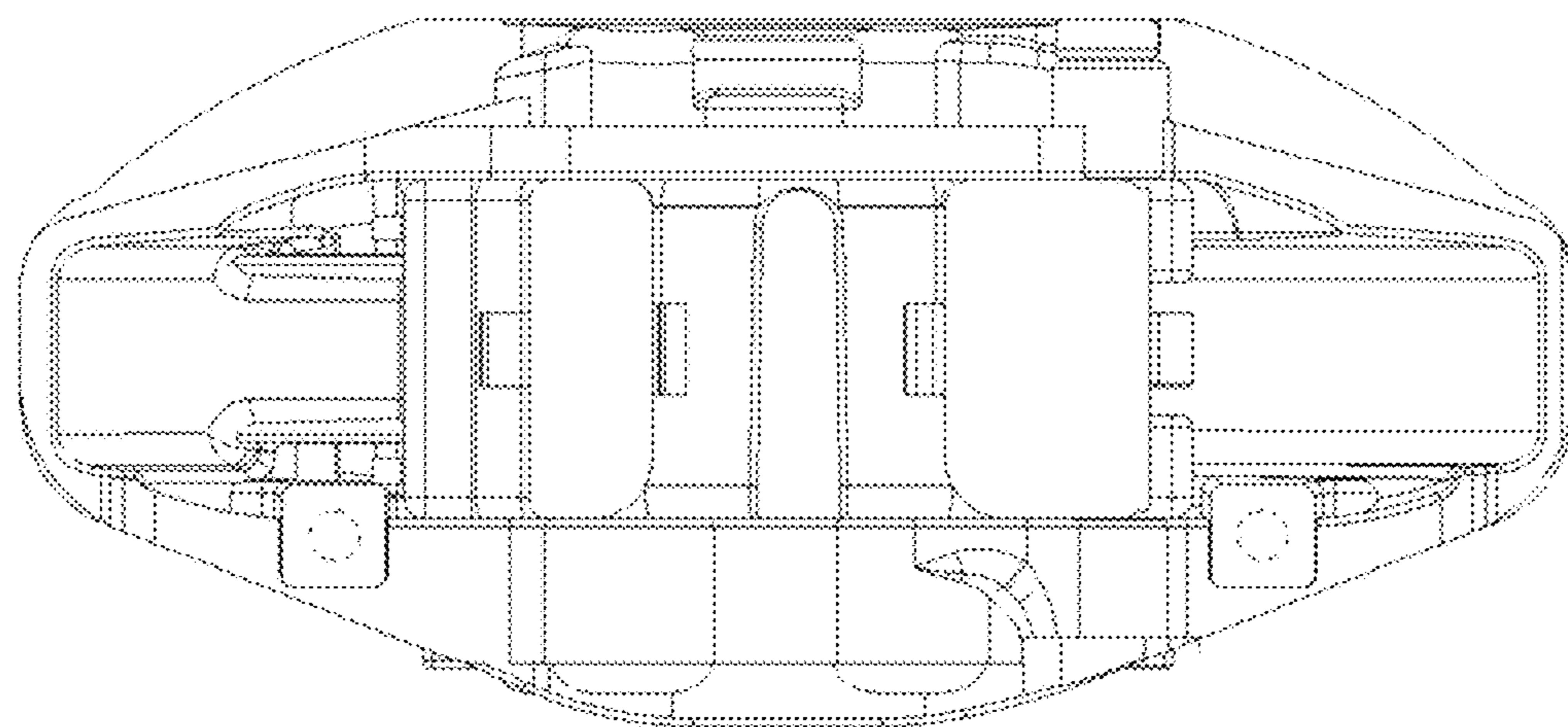


Fig. 8

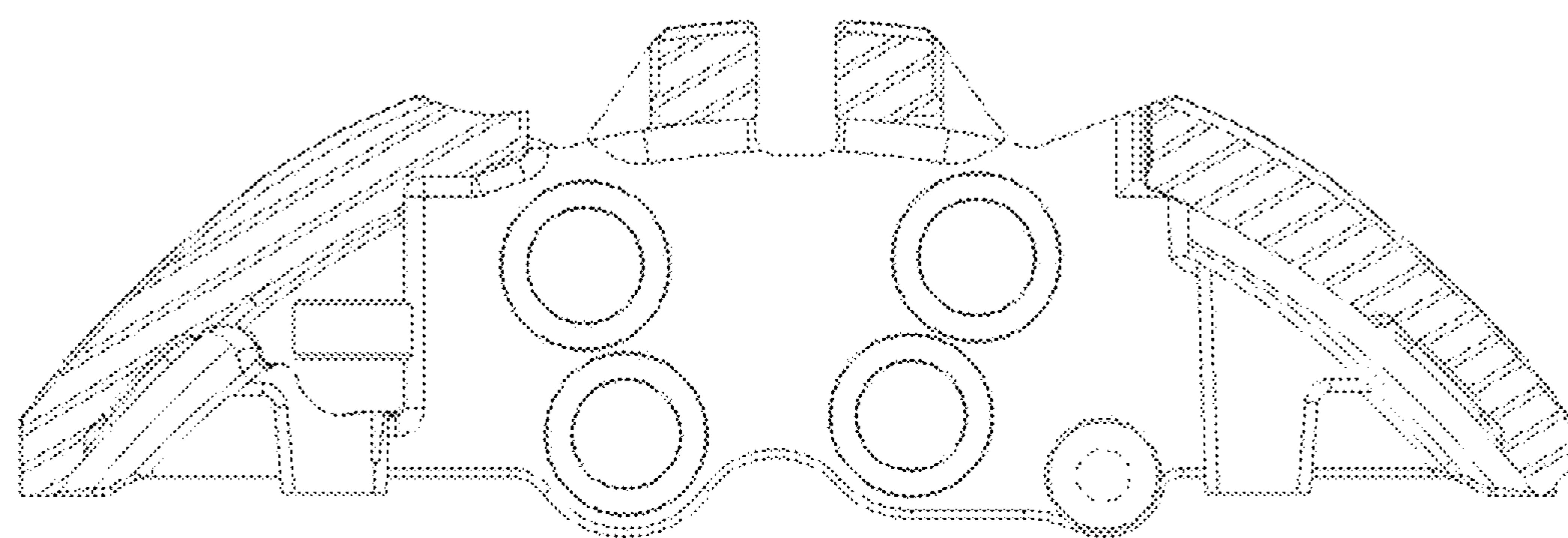


Fig. 9